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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : M. Amin Arnaout et al.

Art Unit :

Serial No. : 09/805,354

Examiner :

Filed : March 13, 2001

Title : HIGH AFFINITY INTEGRIN POLYPEPTIDES AND USES THEREOF

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

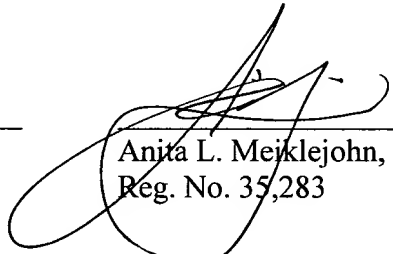
Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed before the receipt of a first Office action on the merits.

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Respectfully submitted,

Date: 20 FEB 2002

  
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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00786-536001	Application No. 09/805,354
	Applicant M. Amin Arnaout et al.		
	Filing Date March 13, 2001	Group Art Unit	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	Baldwin et al., "Cation Binding to the Integrin CD11b I Domain and Activation Model Assessment" Structure 6:923-935, 1998.
	AR	Edwards et al., "Mapping the Intercellular Adhesion Molecule-1 and -2 Binding Site on the Inserted..." J. of Biol. Chem. 273:28937-28944, 1998.
	AS	Emsley et al., "Structural Basis of Collagen Recognition by Integrin $\alpha 2 \beta 1$ " Cell 100:47-56, 2000.
	AT	Emsley et al., "Crystal Structure of the I Domain from Integrin $\alpha 2 \beta 1$ " J. of Biol. Chem. 272:28512-28517, 1997.
	AU	Kamata et al., "Direct Binding of Collagen to the I Domain of Integrin $\alpha 2 \beta 1$ (VLA-2, CD49b/CD29)..." J. of Biol. Chem. 269:26006-26010, 1994.

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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	AV	Kern et al., "The Role of the I Domain in Ligand Binding of the Human Integrin $\alpha_1\beta_1$ " J. of Biol. Chem. 269:22811-22816, 1994.
	AW	Lee et al., "Crystal Structure of the A Domain from the $\alpha$ Subunit of Integrin CR3 (CD11/CD18)" Cell 80:631-638, 1995.
	AX	Lee et al., "Two Conformations of the Integrin A-Domain (I-Domain): A Pathway for Activation?" Structure 3:1333-1340, 1995.
	AY	Legge et al., "NMR Solution Structure of the Inserted Domain of Human Leukocyte Function Associate Antigen-1" J. Mol. Biol. 295:1251-1264, 2000.
	AZ	Li et al., "Two Functional States of the CD11b A-Domain: Correlations with Key Features of Two..." J. of Cell. Biol. 143:1523-1534, 1998.
	AAA	Michishita et al., "A Novel Divalent Cation-Binding Site in the A Domain of the $\beta_2$ Interin CR3.." Cell 72:857-867, 1993.
	ABB	Nolte et al., "Crystal Structure of the $\alpha_1\beta_1$ Integrin I-Domain: Insights into Integrin I-Domain Function" FEBS Letters 452:379-385, 1999.
	ACC	Oxvig et al., "Conformational Changes in Tertiary Structure Near the Ligand Binding Site of an Integrin I Domain" Proc. Nat'l. Acad. Sci. USA 96:2215-2220, 1999.
	ADD	Rieu et al., "Solvent-accessible Residues on the Metal Ion-dependent Adhesion Site Face of Integrin CR3..." J. of Biol. Chem. 271:15858-15861, 1996.
	AEE	Smith et al., "The Arg-Gly-Asp Binding Domain of the Vitronectin Receptor" J. of Biol. Chem. 263:18726-18731, 1988.
	AFF	Zhang et al., "Amino Acid Sequences Within the $\alpha$ Subunit of Integrin $\alpha_m\beta_2$ (Mac-1) Critical for Specific Recognition of C3bi" Biochemistry 38:8064-8071, 1999.
	AGG	Zhang et al., "A Discrete Site Modulated Activation of I Domains" J. of Biol. Chem. 271:29953-29957, 1996.

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